

Abstract

A fuel-injection system (1), in particular for the direct injection of fuel into a combustion chamber of an internal combustion engine, has a cylinder head (10) in which fuel lines (11) are positioned, and at least two fuel injectors. The fuel injectors (5) each have an actuator (2) and a valve needle (12) which is in operative connection with the actuator (2). On the discharge side of the valve needle (12) a valve-closure member (13) is formed which, together with a valve-seat surface (24), forms a sealing seat.

The at least two fuel injectors (5) are situated in valve-receiving openings (16), and the fuel lines (11) discharge into the valve-receiving openings (16) and, in addition, into a fuel connection (8) arranged in the side of the individual fuel injector (5). The fuel lines (11) are interconnected in the cylinder head (10).

(Figure 1)